

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: MATEU CLIMENT, Salvador

SERIAL NO.: 10/597,891

ART UNIT: 3635

FILED: April 18, 2008

EXAMINER: Triggs, A. J.

TITLE: STRUCTURAL ARRANGEMENT WHICH ASSISTS RAPID FIRE LOAD
COMBUSTION AND SMOKE AND GAS EVACUATION

Amendment B: CLAIM AMENDMENTS

1. (canceled)

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (new) An assembly for rapid consumption of a combustible load located within reach of
a fire so as to remove smoke and hot gasses produced by the fire, the assembly comprising:

an outside facade sheet formed of a fire-resistant material;

an inside facade sheet formed of a fire-resistant material, said outside facade sheet
being spaced from said inside facade sheet so as to define an air chamber extending generally vertical
therebetween;

a first horizontal layer extending below said outside facade sheet and said inside
facade sheet, said first horizontal layer being formed of wrought iron, said first horizontal layer
extending across a bottom of said outside facade sheet and said inside facade sheet, said first
horizontal layer having a conduit extending therethrough so as to connect with said air chamber at

a location above said first horizontal layer, said air chamber extending through said first horizontal layer;

a second horizontal layer positioned above said first horizontal layer, said air chamber extending through said second horizontal layer, said first and second horizontal layers defining a space therebetween, said space suitable for having the combustible load therein, said second horizontal layer having a conduit extending therethrough, said conduit of said second horizontal layer having an entrance opening to said space, said of conduit said second horizontal layer extending upwardly so as to have an exit communicating with said air chamber in a location above said second horizontal layer, said outside facade sheet having an air channel having one end opening at an outer side of said outside facade sheet and an opposite end opening to said air chamber in a position below said exit of said conduit of said second horizontal layer and above said second horizontal layer.

7. (new) The assembly of Claim 6, said entrance of said conduit of said first and second horizontal layers having a combustible material extending thereover, said combustible material being ignitable at a temperature of between approximately 100°C and 150°C.